Performance Data Sheet

AWJ5532EVA

General Information

Model	AWJ5532EVA	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	220V ~ 50HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	7210	6630					
	Watts	1260	1280					
	Amps	7.71	7.82					
	Lb/h	103	95.4					
-10	Btu/h	8710	8030	7350				
	Watts	1320	1350	1380				
	Amps	7.83	7.98	8.12				
	Lb/h	120	112	103				
-5	Btu/h	10300	9560	8770	7980			
	Watts	1380	1420	1470	1510			
	Amps	7.96	8.15	8.35	8.54			
	Lb/h	138	130	121	113			
0	Btu/h	12100	11200	10300	9430	8540		
	Watts	1440	1490	1550	1610	1670		
	Amps	8.10	8.35	8.59	8.83	9.07		
	Lb/h	158	149	141	133	124		
5	Btu/h	14100	13100	12000	11000	10000		
	Watts	1490	1560	1630	1700	1770		
	Amps	8.25	8.55	8.85	9.14	9.43		
	Lb/h	180	171	163	154	145		
10	Btu/h	16200	15000	13900	12800	11600	10500	9410
	Watts	1540	1630	1710	1800	1880	1960	2040
	Amps	8.41	8.76	9.11	9.45	9.79	10.1	10.5
	Lb/h	204	195	186	177	168	159	150
15	Btu/h	18500	17200	15900	14700	13400	12200	10900
	Watts	1590	1690	1790	1880	1980	2070	2170
	Amps	8.56	8.97	9.37	9.77	10.2	10.6	10.9
	Lb/h	231	222	212	203	194	184	175
20	Btu/h	21000	19600	18200	16800	15400	14000	12600
	Watts	1640	1750	1860	1970	2080	2190	2290
	Amps	8.71	9.18	9.64	10.1	10.5	11.0	11.4
	Lb/h	260	250	241	231	221	211	202

25	Btu/h	23700	22200	20600	19000	17500	16000	14500
	Watts	1670	1800	1930	2050	2170	2300	2420
	Amps	8.85	9.38	9.90	10.4	10.9	11.4	11.9
	Lb/h	292	281	271	261	251	241	231
30	Btu/h	26700	24900	23200	21500	19800	18200	16500
	Watts	1710	1850	1990	2130	2270	2400	2540
	Amps	8.97	9.56	10.2	10.7	11.3	11.9	12.4
	Lb/h	326	315	304	293	283	272	262
35	Btu/h	29900	28000	26100	24200	22400	20600	18800
	Watts	1730	1890	2050	2200	2350	2500	2650
	Amps	9.08	9.74	10.4	11.0	11.7	12.3	12.9
	Lb/h	362	351	340	328	317	306	295
40	Btu/h	33300	31200	29200	27100	25100	23200	21200
	Watts	1750	1930	2100	2260	2430	2600	2760
	Amps	9.16	9.89	10.6	11.3	12.0	12.7	13.4
	Lb/h	402	390	378	366	354	343	331
45	Btu/h	37000	34700	32500	30300	28100	26000	23900
	Watts	1770	1950	2140	2320	2510	2690	2860
	Amps	9.22	10.0	10.8	11.6	12.3	13.1	13.8
	Lb/h	444	431	419	406	394	382	370
50	Btu/h	40900	38500	36100	33700	31400	29100	26800
	Watts	1770	1970	2170	2370	2570	2770	2960
	Amps	9.24	10.1	11.0	11.8	12.7	13.5	14.3
	Lb/h	489	476	462	449	436	423	411
55	Btu/h	45200	42600	40000	37400	34900	32400	29900
	Watts	1770	1980	2200	2420	2630	2840	3050
	Amps	9.23	10.2	11.1	12.0	12.9	13.8	14.7
	Lb/h	537	523	509	495	481	468	454

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.933594E+04	9.634271E+02	6.110240E+00	2.239797E+02
C2	5.826428E+02	-9.993816E+00	-5.769183E-02	4.804637E+00
C3	-8.902793E+01	5.848740E+00	2.458587E-02	-8.235469E-01
C4	4.322831E+00	-1.001812E-01	-1.930378E-04	5.004651E-02
C5	-2.842184E+00	2.747626E-01	1.150405E-03	-8.900000E-03
C6	-2.174878E-02	2.029442E-03	1.013738E-05	2.093843E-05
C7	1.684454E-02	-8.539464E-04	-5.903285E-06	1.231565E-04
C8	-1.380886E-02	6.286178E-04	4.409437E-06	-1.040177E-04
C9	2.767940E-03	-1.022633E-04	-7.486231E-07	2.215703E-05
C10	1.158689E-04	-1.671818E-05	-7.923493E-08	-8.241446E-07

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AWJ5532EVA

General Information

Model	AWJ5532EVA	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	265V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	8110	7420					
	Watts	1580	1610					
	Amps	6.66	6.79					
	Lb/h	117	107					
-10	Btu/h	9990	9180	8360				
	Watts	1660	1690	1730				
	Amps	6.88	7.06	7.23				
	Lb/h	137	128	118				
-5	Btu/h	12000	11100	10100	9190			
	Watts	1730	1780	1830	1870			
	Amps	7.11	7.33	7.55	7.77			
	Lb/h	160	150	140	130			
0	Btu/h	14300	13200	12100	11000	9920		
	Watts	1810	1870	1930	1980	2040		
	Amps	7.35	7.61	7.87	8.13	8.39		
	Lb/h	186	176	165	155	144		
5	Btu/h	16700	15500	14300	13000	11800		
	Watts	1880	1950	2030	2100	2160		
	Amps	7.60	7.90	8.21	8.51	8.81		
	Lb/h	214	203	193	182	171		
10	Btu/h	19400	18000	16600	15200	13800	12400	11100
	Watts	1950	2040	2130	2210	2290	2370	2440
	Amps	7.84	8.19	8.54	8.89	9.24	9.58	9.92
	Lb/h	244	234	223	211	200	189	177
15	Btu/h	22200	20700	19100	17600	16100	14500	13000
	Watts	2020	2120	2220	2320	2420	2510	2600
	Amps	8.08	8.48	8.87	9.27	9.66	10.1	10.4
	Lb/h	278	266	255	243	232	220	208
20	Btu/h	25300	23600	21900	20200	18500	16800	15100
	Watts	2090	2210	2320	2430	2540	2650	2750
	Amps	8.30	8.76	9.20	9.65	10.1	10.5	11.0
	Lb/h	313	302	290	278	266	254	242

25	Btu/h	28600	26700	24800	23000	21100	19300	17500
	Watts	2150	2280	2410	2540	2660	2780	2900
	Amps	8.52	9.03	9.53	10.0	10.5	11.0	11.5
	Lb/h	352	339	327	315	303	290	278
30	Btu/h	32100	30100	28000	26000	24000	22000	20000
	Watts	2210	2350	2500	2640	2780	2910	3050
	Amps	8.72	9.28	9.84	10.4	10.9	11.5	12.0
	Lb/h	393	380	367	355	342	329	316
35	Btu/h	35900	33700	31500	29300	27100	24900	22700
	Watts	2250	2420	2580	2740	2890	3040	3190
	Amps	8.90	9.52	10.1	10.7	11.3	11.9	12.5
	Lb/h	437	423	410	397	384	371	357
40	Btu/h	40000	37600	35200	32800	30400	28100	25700
	Watts	2290	2470	2650	2830	3000	3170	3330
	Amps	9.06	9.73	10.4	11.1	11.7	12.4	13.0
	Lb/h	483	470	456	442	429	415	401
45	Btu/h	44300	41700	39100	36500	34000	31400	28900
	Watts	2320	2520	2710	2910	3100	3280	3460
	Amps	9.19	9.93	10.7	11.4	12.1	12.8	13.5
	Lb/h	533	518	504	490	476	462	447
50	Btu/h	49000	46100	43300	40600	37800	35100	32400
	Watts	2330	2550	2770	2980	3180	3390	3580
	Amps	9.29	10.1	10.9	11.7	12.4	13.2	14.0
	Lb/h	585	570	556	541	526	511	496
55	Btu/h	53900	50900	47900	44900	41900	39000	36100
	Watts	2340	2570	2810	3040	3260	3480	3700
	Amps	9.35	10.2	11.1	11.9	12.8	13.6	14.4
	Lb/h	641	625	610	594	579	564	548

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.291698E+04	1.303828E+03	5.282003E+00	2.658818E+02
C2	7.148607E+02	-6.638557E+00	-2.755672E-02	5.952751E+00
C3	-1.072277E+02	6.115452E+00	2.568104E-02	-1.002865E+00
C4	4.782963E+00	-1.035925E-01	-2.657670E-04	5.466597E-02
C5	-3.300221E+00	2.864867E-01	1.012341E-03	-8.928953E-03
C6	-5.517037E-03	5.582142E-03	4.148852E-06	3.140212E-04
C7	1.352757E-02	-1.679076E-03	-5.010409E-06	6.406326E-05
C8	-1.161998E-02	1.237151E-03	4.020930E-06	-6.416768E-05
C9	2.507207E-03	-1.998142E-04	-7.859054E-07	1.711538E-05
C10	-2.847285E-05	-4.612088E-05	-1.769444E-08	-3.402897E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature